



RESIDENTIAL WATER HEATER REQUIREMENTS



COMMUNITY DEVELOPMENT DEPARTMENT—345 N. EL DORADO STREET—STOCKTON, CA 95202—(209) 937-8561

www.stocktongov.com/CDD/building

It shall be unlawful for a person to install, remove, or replace or cause to be installed, removed, or replaced without first obtaining a permit from the Authority Having Jurisdiction to do so.

SUBMITTAL REQUIREMENTS

1. Complete a building permit application
2. Complete a Construction and Demolition Recycling form

GENERAL REQUIREMENTS

When replacing gas water heaters, the flexible gas lines are required to be replaced. Refer to the manufacturer's specifications when determining ventilation requirements and clearances.

ENERGY REQUIREMENTS

- New Water Heaters must be installed in compliance with the [2013 Residential Compliance Manual](#)
- A completed [CFR-PLMB-01-E form](#) will be required to be provided to the Building Inspector upon final inspection.

PRESSURE/TEMPERATURE (P/T) VALVE

All water heaters have a pressure/temperature (P/T) valve. The valve shall be drained to the exterior and terminate toward the ground maintaining between 6" - 24" of clearance from the ground and point downward. The diameter of the valve opening (generally 3/4 inch) must be maintained to the termination of the drain. Check the manufacturer's requirements. Such drain must terminate at an approved location 6" - 24" above finish grade, with the spout facing downward. No part of such drain shall be trapped and the terminal end of the drain shall not be threaded. Materials used shall have capacity not less than the input rating of the water heater.

INTERIOR INSTALLATIONS

If located in a furred space where leaking could cause damage to underlying wood framing, the water heater must be set in a pan constructed of water tight corrosion resistant material. The pan must be fitted with a minimum 3/4 inch drain that drains to an approved location. The P/T line is not allowed to terminate at this pan or be connected to it.

GARAGE LOCATION

Appliances generating a glow spark, or flame capable of igniting flammable vapors may be installed in a garage provided the pilots and burners or heating elements and switches are at 18" above floor level unless listed as flammable vapor ignition resistant. If subject to vehicular damage, the water heater must be guarded against such damage by being installed behind a protective barrier or being elevated or located out of the way of the normal vehicle path.

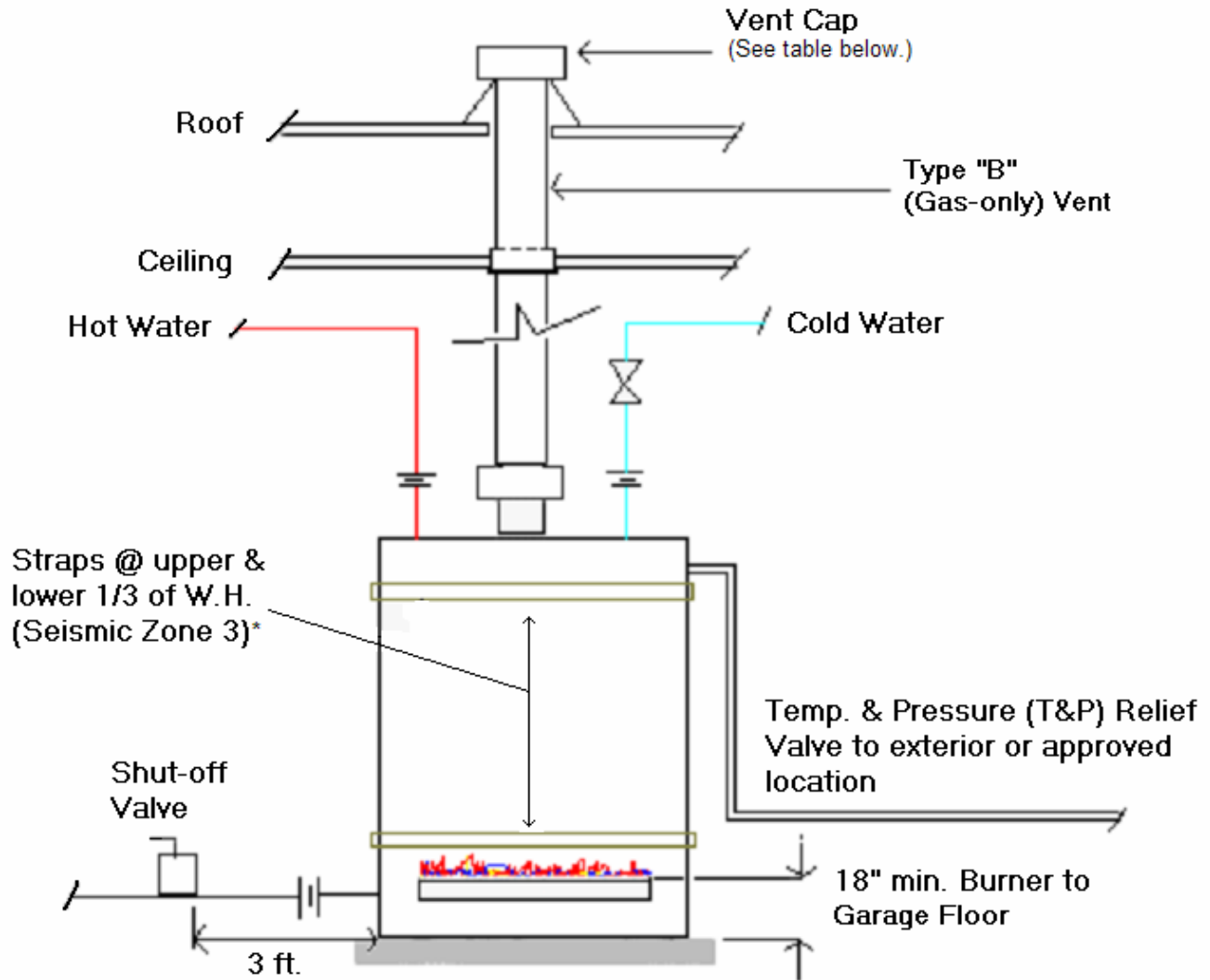
COMBUSTION AIR

Air for combustion, ventilation, and dilution of flue gases for appliances installed in the building shall be obtained by application or one of the methods covered in the 2013 CPC Section 506.0.

- | | |
|--|-------------------------------------|
| 1. Indoor Combustion Air method | 5. Engineered Installations |
| 2. Indoor Opening Size and Location method | 6. Mechanical Combustion Air Supply |
| 3. Outdoor Combustion Air method | 7. Louvers, Grills, and Screens |
| 4. Combination Combustion Air method | 8. Combustion Air Ducts |

B

RESIDENTIAL WATER HEATER REQUIREMENTS



Gas vents with vent caps 12 inches (305mm) in size or smaller can be terminated as follows:

Min. Height of Vent Opening Above Roof**

Roof Slope, Inches	Inches
Flat, to 6/12	12"
Over 6/12 to 7/12	15"
Over 7/12 to 8/12	18"
Over 8/12 to 9/12	24"

* -- Strap width = 1 1/2" metal strap or equivalent to prevent horizontal displacement.

**-- Minimum 5' vertical distance between vent collar and termination point.